

METHOD AND APPARATUS FOR EFFECTING HIGH-
FREQUENCY AMPLIFICATION OR OSCILLATION

ABSTRACT OF THE DISCLOSURE

5 An apparatus includes a distributed resonant
tunneling section with a plurality of inductive portions
that are coupled in series with each other between first
and second nodes, such that a respective further node is
present between each adjacent pair of the inductive
portions. The distributed resonant tunneling section
also has a plurality of resonant tunneling device
portions which are each coupled between a third node and
10 a respective one of the further nodes.